AUTODOC CLUB

How to change rear suspension strut on **Audi 80 B4** – replacement guide

VIDEO TUTORIAL

Important!

This replacement procedure can be used for:
AUDI 80 B4 Saloon (8C2) 1.9 TD, AUDI 80 B4 Saloon (8C2) 1.9 TDI, AUDI 80 B4 Saloon (8C2) 1.6, AUDI 80 B4 Saloon (8C2) 1.6 E, AUDI 80 B4 Saloon (8C2) 2.0 E, AUDI 80 B4 Saloon (8C2) 2.0 E 16V, AUDI 80 B4 Saloon (8C2) 2.3 E, AUDI 80 B4 Saloon (8C2) 2.6, AUDI 80 B4 Saloon (8C2) 2.8, AUDI 80 B4 Avant (8C5) 2.0, AUDI 80 B4 Avant (8C5) 2.0 E, AUDI 80 B4 Avant (8C5) 2.0 E 16V, AUDI 80 B4 Avant (8C5) 2.3 E, AUDI 80 B4 Avant (8C5) 2.6, AUDI 80 B4 Avant (8C5) 1.9 TDI, (+ 3)

The steps may slightly vary depending on the car design.

REPLACEMENT: SUSPENSION STRUT – AUDI 80 B4.
LIST OF THE TOOLS YOU'LL NEED:

- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- High-temperature ceramic grease
- Combination spanner #17
- Combination spanner #24
- Drive socket # 17
- Drive socket # 24
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Adjustable wrench
- Hydraulic strut spring compressor
- Crow bar
- Hydraulic transmission jack
- Wheel chock

BUY TOOLS

Replacement: suspension strut – Audi 80 B4. AUTODOC recommends:

- Both shock struts of the rear suspension should be replaced simultaneously.
- The replacement procedure is identical for the left and right shock struts of the rear suspension.
- All work should be done with the engine stopped.

REPLACEMENT: SUSPENSION STRUT – AUDI 80 B4. USE THE FOLLOWING PROCEDURE:

1 Secure the wheels with chocks.

2 Loosen the wheel mounting bolts. Use wheel impact socket #17.

3 Raise the rear of the car and secure on supports.

4 Unscrew the wheel bolts.

AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts. Audi 80 B4

5 Remove the wheel.

6 Clean the shock strut fasteners. Use a wire brush. Use WD-40 spray.

7 Unscrew the lower fastener of the shock absorber strut. Use a combination spanner #24. Use a drive socket #24. Use a ratchet wrench.

8 Remove the fastening bolt.

9 Unscrew the upper fasteners of the shock strut. Use a drive socket #17. Use a ratchet wrench.

10 Remove the suspension strut.

11 Remove the suspension strut mount cap.

12 Set the shock absorber strut on the spring compressor tool.

Replacement: suspension strut – Audi 80 B4. AUTODOC experts recommend:

- Note that when using a spring compressor, spring coils need to be securely gripped, compressing the spring on the opposite sides.
- Ensure the correct position of the spring in the retainer.
- Make sure that the spring coils tightly entered the lock handles.

13 Compress the spring.

14 Treat the shock strut rod. Use a wire brush. Use WD-40 spray.

15 Remove the strut piston rod nut. Use a combination spanner #17. Use an adjustable wrench.

16 Release the coil spring.

17 Remove the top strut mount.

AUTODOC recommends:

- Replacement: suspension strut – Audi 80 B4. Carefully inspect the mount, the boot, and the bump stop of the shock absorber. Replace if necessary.

18 Remove the shock absorber dust boot and bump stop.

19 Remove the spring.

20 Remove the old shock absorber from the hydraulic coil spring compressor.

Replacement: suspension strut – Audi 80 B4. Tip:

- Before installing a new shock absorber you should pump it manually 3-5 times.

21 Install the new shock absorber on the hydraulic coil spring compressor.

22 Install the spring on the shock absorber.

23 Install the dust boot and the bump stop on the new shock absorber.

24 Install the upper strut mount and the strut mount bearing. Use a crowbar.

25 Compress the spring.

26 Tighten the shock strut piston rod nut. Use a combination spanner #17. Use an adjustable wrench. Use a torque wrench. Tighten it to 25 Nm torque.

Replacement: suspension strut – Audi 80 B4. AUTODOC experts recommend:

- Check to make sure the spring is positioned correctly. Avoid its misalignment.

27 Install the suspesion strut mount cap.

28 Decompress the spring.

29 Remove the assembled shock strut.

30 Install the shock strut into the wheel arch.

31 Tighten the upper fasteners of the shock strut. Use a drive socket #17. Use a torque wrench. Tighten it to 55 Nm torque.

32 Install the fastening bolt.

33 Support the rear knuckle. Use a hydraulic transmission jack.

34 Tighten the lower fastener of the shock absorber. Use a combination spanner #24. Use a drive socket #24. Use a torque wrench. Tighten it to 110 Nm torque.

35 Remove the support from under the rear knuckle.

AUTODOC recommends:

- Audi 80 B4 – Do not lower the transmission jack sharply to avoid damaging components and mechanisms of the car.

36 Treat the shock strut fasteners. Use copper grease.

37 Treat the surface where the brake disc contacts the wheel rim. Use high-temperature ceramic grease.

38 Clean the brake disk surface. Use a brake cleaner.

AUTODOC recommends:

- Replacement: suspension strut – Audi 80 B4. After applying the spray, wait a few minutes.

39 Install the wheel.

AUTODOC recommends:

- Important! Hold the wheel while screwing in the fastening bolts. Audi 80 B4

40 Screw in the wheel bolts. Use wheel impact socket #17.

41 Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #17. Use a torque wrench. Tighten it to 120 Nm torque.

42 Remove the jacks and chocks.

WELL DONE!

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